

**WHAT IS CLAIMED IS:**

1. A computer-implemented method for providing multi-language support for data mining models, the method comprising:

receiving an extension document having first and second entries associated with a unique identifier in a textual description field of a data mining model, the first entry including textual information in a first language, and the second entry including textual information in a second language;

5 processing a request from a front-end application to execute an analytical task associated with the data mining model; and

10 outputting to the front-end application an updated model output that includes the first entry such that the textual information is output in the first language.

2. The method of claim 1, wherein the extension document is received from a back-end analytical system.

15 3. The method of claim 1, further comprising storing contents of the extension document in a database, the contents including the first and second entries.

4. The method of claim 1, further comprising determining from a login by the front-end application that the textual information should be output in the first language.

20 5. The method of claim 1, wherein the request from the front-end application is a request for execution of a prediction task.

6. The method of claim 5, further comprising invoking execution of the prediction task 25 by a prediction engine using the data mining model.

7. The method of claim 6, wherein the data mining model and the extension document are PMML-compliant.

8. The method of claim 6, wherein the data mining model includes a data field indicative of a predicted result of a particular transaction between the front-end application and a customer.

5 9. The method of claim 1, wherein the first language is English and the second language is German.

10 10. The computer-implemented method for outputting textual descriptions of data fields in a data mining model in a selected language, the method comprising:

10 receiving an extension document corresponding to a data mining model, the model including a unique identifier associated with a textual description of a data field in the data mining model;

15 15 storing contents of the extension document in a database, the contents of the extension document having first and second entries associated with the unique identifier, the first entry including the textual description of the data field in a first language, and the second entry including the textual description of the data field in a second language; and

15 15 outputting to a front-end application an updated model output that includes the first entry from the contents of the extension document such that the textual description of the data field is output in the first language.

20 11. The method of claim 10, wherein the data mining model and the extension document are PMML-compliant.

25 12. The method of claim 10, further comprising determining from a login by the front-end application that the textual description of the data field should be output in the first language.

13. The method of claim 10, further comprising obtaining a request from the front-end application for execution of a prediction task.

14. The method of claim 13, further comprising invoking execution of the prediction task by a prediction engine using the data mining model.

15. The method of claim 10, further comprising substituting the first entry of the  
5 extension document for the unique identifier such that the textual description of the data field is output in the first language.

16. The method of claim 10, wherein the first language is English and the second language is German.